

ABSTRACT OF THE DISCLOSURE

Methods and apparatus for monitoring processor tasks and associated processor loads therefor that are allocated to be performed by respective sub-processing units associated with a main processing unit; re-allocating at least some of the tasks based on their associated processor loads such that at least one of the sub-processing units is not scheduled to perform any tasks; and commanding the sub-processing units that are not scheduled to perform any tasks into a low power consumption state.

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